

# REPORT DOCUMENTATION PAGE

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503

1. AGENCY USE ONLY (Leave blank) 2. REPORT DATE Sept. 1995 3. REPORT TYPE AND DATES COVERED Final, 18 March 1993 to 18 Sept. 1995

4. TITLE AND SUBTITLE Bose Memorial Conference on Statistical Design and Related Combinatorics 5. FUNDING NUMBERS DAAH04-93-G-0059

6. AUTHOR(S) J.N. Srivastava

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Colorado State University Fort Collins, CO 80523 8. PERFORMING ORGANIZATION REPORT NUMBER Army

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Research Office P.O. Box 12211 Research Triangle Park, 27709-2211 10. SPONSORING/MONITORING AGENCY REPORT NUMBER ARO 30163.1-MA-CF

11. SUPPLEMENTARY NOTES The view, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentation.

12a. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited 12b. DISTRIBUTION CODE

13. ABSTRACT (Maximum 200 words) This grant was for partial support of the R.C. Bose Memorial Conference on Statistical Design and Related Combinatorics. The conference was held at Colorado State University during 7-11 June 1995; there were 140 participants including 82 invited speakers. The conference was hailed as one of the best ever held.

DTIC QUALITY INSPECTED 1

14. SUBJECT TERMS Communication theory, computer science, electrical engineering 15. NUMBER OF PAGES three 16. PRICE CODE 17. SECURITY CLASSIFICATION OF REPORT UNCLASSIFIED 18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED 19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED 20. LIMITATION OF ABSTRACT UL

19951023 020

## REPORT ON THE R.C. BOSE MEMORIAL CONFERENCE ON STATISTICAL DESIGN AND RELATED COMBINATORICS

This conference was held at the campus of Colorado State University, on June 7-11, 1995.


The organizing Committee consisted of J.N. Srivastava (Chair), and 16 other people including: Adriano Barlotti, Ching-Shui Cheng, Michael Deza, Paul Erdős, Peter Hammer, Frank Harary, Sam Hedayat, R.C. Mullin, C.R. Rao, D.K. Raychaudhari, Gian-Carlo Rota, Bruce Rothschild, Jennifer Seberry, Esther Seiden, R.G. Stanton, and S. S. Shrikhande.

There were about 140 registered participants, excluding the local people from Colorado. There were eighty two invited speakers, and about 28 people presented contributed papers.

People who presented papers (either invited or contributed) have been encouraged to send their papers for inclusion in the "Proceedings" of the conference. Many other prominent persons who were unable to physically participate in the conference have also been encouraged to send papers to the "Proceedings". The word "Proceedings", however, should not be interpreted in the usual sense. In our case, the Proceedings will consist of a Special Issue of JSPI (Journal of Statistical Planning and Inference), called the "Bose Conference Issue of JSPI" (or BCI-JSPI).

The BCI-JSPI will differ from ordinary proceedings in the sense that only journal type articles will be published. All articles will be refereed at the same level and at the high standards of JSPI. They will all be subject to acceptance and rejection.

It is important to note that the field of the conference has immense practical applications. Ever since R.C. Bose and others popularized Design Combinatorics and Combinatorics in general, in the forties, fifties and sixties, the world has seen an explosion in this field. This is evident from the number of new journals, which have grown in this field probably more than in any other field. This is because the fields have fundamental applications not only to statistical aspects of scientific experimentation, but also to other vast areas such as communication, computer science, electrical engineering, confidentiality, information storage and retrieval, etc.



This was a large and great conference. Large financial support was given by AirForce, Army and Colorado State University. Minor support was also given by Institute of Combinatorics, and two individuals, (Constantine and Srivastava). Significant support was also given by hundreds of institutions around the world who, partially or wholly, paid for the travel and other expenses of their own scientists who participated in the conference. In terms of free time, the conference consumed the equivalent of nine months of full time effort of Srivastava, plus large chunks of time also from his family members, research associates and students.

It is gratifying that, around the world, the conference has been perceived as one of the greatest ever. For example, S.S. Shrikhande, one of the most eminent combinatorists of the century, writes: "I believe this is the greatest conference I have ever been to in my life."

Accession For	
NTIS	CRASH
DTIC	
Unavail	
Justification	
By _____	
Distribution /	
Availability Codes	
Dist	Avail and/or Special
A-1	

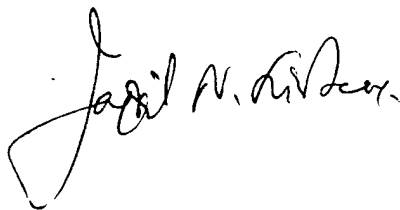
*gy*

**Final Report on Army Grant Number (DAAH04-93-G-0059).**

This grant was given to partly support the R.C. Bose Memorial Conference on Statistical Design and Related Combinatorics.

Thus, a report on the above grant is actually a report on the above conference. The latter is enclosed.

J.N. Srivastava  
Principal Investigator

A handwritten signature in cursive script, appearing to read "J.N. Srivastava", written in dark ink.